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Patent Abstracts of Japan

PUBLICATION NUMBER : 63176049
PUBLICATION DATE : 20-07-88

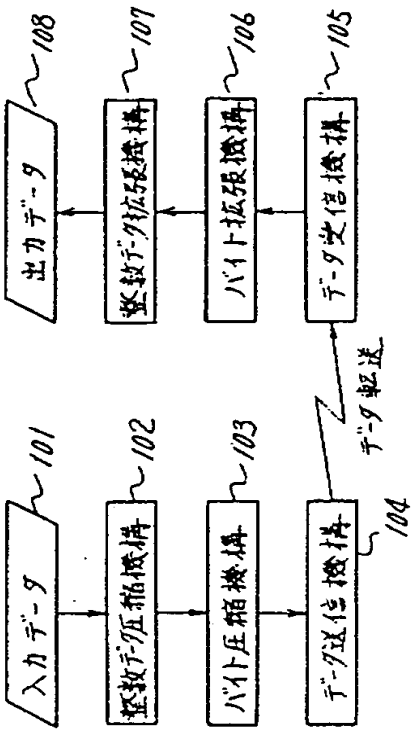
APPLICATION DATE : 16-01-87
APPLICATION NUMBER : 62007578

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INT.CL. : H04L 23/00 H03M 7/30

TITLE : DATA COMPRESSION SYSTEM



ABSTRACT : PURPOSE: To efficiently compress data being a mixture of an integral number data and a single byte data by omitting a high-order redundant bit of the integer data in the unit of bytes, inserting compressed information in bit expression at each prescribed data block to compress the data and compressing the repetition of byte values.

CONSTITUTION: An input data is handled as an integer data in binary expression in the string of specified number bytes and the high-order redundant bit of the specified number byte string, that is, the same value bit string in succession to the code bit is omitted so as to leave at least one bit or over of the same value bit string in succession to the code bit. Then the omitted byte number is placed at each data block being the assembly of plural integer data for the compressed information in bit expression and the method compressing the repetition of the bytes as a conventional method is combined. That is, the input data 101 is fed to an integer data compression mechanism 102 at each prescribed block and compression processing is applied as an integer data string comprising the specified bytes and the repeated byte value part is compressed by the byte compression mechanism 103 and sent to an object processing unit by the data transmission mechanism 104.

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